

Factoring Polynomials

Emphasis on Factoring Quadratics – Mixture of $a = 1$ and $a \neq 1$

Completely factor each of the following:

1. $v^2 + 10v + 9$	2. $-5x^2 + 19x - 12$
3. $x^2 - 12x + 27$	4. $5x^2 + 24x - 36$
5. $v^2 + 4v - 32$	6. $28b^2 - 156b - 72$
7. $x^2 - 13x + 30$	8. $21r^2 - 177r + 210$
9. $x^2 + 19x + 90$	10. $6b^2 + 51b + 105$

11. $10n^2 + 69n + 54$	12. $4x^2 + 48x + 108$
13. $9x^2 - 55x + 50$	14. $6b^2 + 90b + 324$
15. $-9b^2 - 79b + 18$	16. $6n^2 - 30n - 144$
17. $18n^2 - 48n - 40$	18. $-6x^2 - 18x + 108$
19. $30a^2 + 33a - 105$	20. $2m^2 + 8m - 64$